

Title (en)
Improved pitch control agent

Title (de)
Verbessertes Pechkontrollmittel

Title (fr)
Agent amélioré pour le contrôle de la poix

Publication
EP 0740014 A1 19961030 (EN)

Application
EP 96301664 A 19960312

Priority
GB 9505323 A 19950316

Abstract (en)
A method of controlling the deposition of pitch in a pulping and/or paper making process which comprises adding a pitch control agent to a stream or a slurry of cellulosic fibres is characterised in that the pitch control agent comprises a particulate inorganic material comprising at least one silicon-containing compound whose particles are coated with a nitrogen-containing polymer having one or more triazine rings. The pitch control agent may comprise a kandite clay whose particles are coated with a homo- or co-polymer comprising melamine formaldehyde. The pitch control agent may be added together with particulate filler material to the cellulosic fibres being processed. A method of preparing a suitable pitch control agent is also described comprising mixing an aqueous suspension of a particulate inorganic material comprising at least one silicon-containing compound with a solution containing a nitrogen-containing polymer having one or more triazine rings, the pH of the mixture formed being in the range pH1 to pH7.

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IPC 8 full level
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D21C 9/086 (2013.01); **D21H 21/02** (2013.01)

Citation (search report)
• [YA] WO 8906294 A1 19890713 - CYPRUS IND MINERALS CORP [US]
• [DY] EP 0569085 A1 19931110 - CALGON CORP [US]
• [DXA] EP 0132132 A2 19850123 - DU PONT [US]
• [A] EP 0349311 A2 19900103 - ECC INT LTD [GB]

Cited by
US6030704A; US7449086B2; EP2546410A1; WO2013007717A1; EP2933375A1; WO2015158657A1; US10046984B2

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